

Title (en)

Starting method for a stream-generating heat exchanger system and heat exchanger system for generating steam.

Title (de)

Verfahren zum Anfahren eines Wärmetauschersystems zur Dampferzeugung sowie Wärmetauschersystem zur Dampferzeugung.

Title (fr)

Procédé pour démarrer un système échangeur de chaleur pour produire de la vapeur et système échangeur de chaleur pour produire de la vapeur.

Publication

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Application

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Priority

AT 175590 A 19900827

Abstract (en)

[origin: CA2049815A1] : The invention relates to a process for starting up a heat exchanger system for the generation of steam accommodated in a hot gas line, in particular in an exhaust gas line, conveniently in a waste heat boiler, for instance downstream from a gas turbine, for instance for starting up a circulation system steam generator or a continuous flow (once-through) steam generator, conveniently a natural or forced circulation boiler or once-through boiler, in particular a preheater/evaporator/superheater system provided with a start-up heat exchanger upstream via which the supply of feed medium, in particular water or steam, is effected, and which on start-up dispenses first hot steam and finally water to the heat exchanger system, so that the initially pressureless, void heat exchanger system substantially heated to hot gas temperature is continuously brought to its operative state and its operating temperature, as well as a corresponding heat exchanger system. The process is mainly characterized in that the start-up heat exchanger is filled with feed medium in the cold state and subsequently charged with hot gas. The apparatus is mainly characterized in that the start-up heat exchanger (2) is at least partially, conveniently virtually completely, separable from the hot gas stream, the start-up heat exchanger serving in particular as an auxiliary steam generator for starting up the entire system from the cold state. (Fig. 1).

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